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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Applicant Number	Continuation of 09/908,042
				10/627,934	
				Filing Date	July 25, 2003
				First Named Inventor	Brian S. Sproat
				Group Art Unit	
Examiner Name					
Sheet 1 of 5	Attorney Docket Number		ILI 125 CON (2)		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
ML		5,113,005		Celebuski	05-12-1992	
ML		5,482,836		Cantor et al.	01-09-1996	
ML		6,410,225		Sproat	06-25-2002	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
ML		PCT	WO 97/18312		VIMRX Holdings, Ltd.	05-22-1997	
ML		EP	0 571 087		Rohm & Haas	11-24-1993	

Examine Signature	<i>[Signature]</i>	Date Considered	12/1/04
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Sheet	2	of	5		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		BENSELER, et al., "Hammerhead-like Molecules Containing Non-Nucleoside Linkers Are Active RNA Catalysts" <i>J. Am. Chem. Soc.</i> 115:8483-8484 (1993).	
		CUNNINGHAM, et al., "Preparative-scale purification of RNA using an efficient method which combines gel electrophoresis and column chromatography" <i>Nucleic Acids Research</i> 24:3647-3648 (1996).	
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		FU, et al., "Hammerhead Ribozymes Containing Non-Nucleoside Linkers Are Active RNA Catalysts" <i>J. Am. Chem. Soc.</i> 116:4591-4598 (1994).	
		GILDEA, et al., "A Versatile Acid-Labile Linker for Modification of Synthetic Biomolecules" <i>Tetrahedron Letters</i> 31:7095-7098 (1990).	
		GÖRTZ & SELIGER, "New Hydrophobic Protecting groups for the chemical synthesis of oligonucleotides" <i>Angew. Chem., Int. Ed. Engl.</i> 20:681 (1981).	
		GREEN, et al., "HPLC Purification of Synthetic Oligodeoxyribo-nucleotides Containing Base- and Backbone- Modified Sequences" <i>BioTechniques</i> 19:836-841 (1995).	
		GUO, et al., "Direct fluorescence analysis of genetic polymorphisms by hybridization with oligonucleotide arrays on glass supports" <i>Nucleic Acids Res.</i> 22:5456-5465 (1994).	
	GUPTA, et al., "Use of the 4-methoxy-4'-octyloxytrityl group as an affinity handle for the purification of synthetic oligonucleotides" <i>J. Chromatogr.</i> 541:341-348 (1991).		
		HERTEL, et al., "Numbering System for the Hammerhead" <i>Nucleic Acids Research</i> 20:3252 (1992).	

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		Examiner Name	
Sheet 3 of 5	Attorney Docket Number	ILI 125 CON (2)	

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h		JOHNSTONE & THORPE, <i>Immunochemistry In Practice</i> (Blackwell Scientific Publications, Oxford, England, 1987) pages 209-216, 241-242, and 30-85.	
		KERKHOF et al., "A Comparison of Substrates for Quantifying the Signal from a Nonradiolabeled DNA Probe" <i>Anal. Biochem.</i> 205:359-364 (1992).	
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		LYNGSTADAAS, et al., "A synthetic, chemically modified ribozyme eliminates amelogenin, the major translation product in developing mouse enamel <i>in vivo</i> " <i>EMBO Journal</i> 14:5224-5229 (1995).	
		MULLAH & ANDRUS, "Purification of 5'-O-Trityl-On Oligoribonucleotides. Investigation of Phosphate Migration during Purification and Detritylation" <i>Nucleosides & Nucleotides</i> 15:419-430 (1996).	
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		OLEJNIK, et al., "Photocleavable biotin phosphoramidite for 5'-end-labelling, affinity purification and phosphorylation of synthetic oligonucleotides" <i>Nucleic Acids Research</i> 24:361-366 (1996).	
h		ORTIGO, et al., "Antisense Effect of Oligodeoxynucleotides with Inverted Terminal Internucleotidic Linkages: A Minimal Modification Protecting against Nucleolytic Degradation" <i>Antisense Res. Dev.</i> 129-148 (1992).	

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ku		PANNECOUCKE, et al., "Phosphodiester of 3 B (7 B-hydroxycholesterol) and of 5'(3'-deoxy, 3' azido-thymidine)" <i>Tetrahedron</i> 50(4):1173-1178 (1994).	
		PEASE, et al., "Light-generated oligonucleotide arrays for rapid DNA sequence analysis" <i>Proc. Natl. Acad. Sci. USA</i> 91(11):5022-5026 (1994).	
		POLUSHIN, et al., "On the rapid deprotection of synthetic oligonucleotides and analogs" <i>Nucleic Acids Research</i> 22:639-645 (1995) <i>Protein immobilization: fundamentals and applications</i> , Richard F. Taylor, ed. (M. Dekker, New York, 1991).	
		RAMAGE & WAHL, "4-(17-Tetrabenzo[a,c,g,i]fluorenylmethyl)-4',4"-Dimethoxytrityl Chloride: A Hydrophobic 5'-Protecting Group for the Separation of Synthetic Oligonucleotides" <i>Tetrahedron Letters</i> 34:7133-7136 (1993).	
		REDDY, et al., "Methylamine Deprotection Provides Increased Yield of Oligoribonucleotides" <i>Tetrahedron Letters</i> 36:8929-8932 (1995).	
		SELIGER & SCHMIDT, "Polymer Support Synthesis. XII". Derivatization with the 4-Decyloxytrityl Group as an Aid in the Affinity Chromatography of Oligo- and Polynucleotides" <i>J. Chromatogr.</i> 397:141-151 (1987).	
		SELIGER, et al., "Solid-Phase Oligonucleotide Synthesis with Affinity-Chromatographic Separation of the Product" <i>Tetrahedron Letters</i> 24:2115-2118 (1978).	
		SINHA, et al., "Polymer support oligonucleotide synthesis XVIII ^{1,2} : use of β-cyanoethyl-N,N-dialkylamino-N-morpholino phosphoramidite of deoxynucleosides for the synthesis of DNA fragments simplifying deprotection and isolation of the final product" <i>Nucleic Acids Research</i> 12:4539-4557 (1984).	
		SPROAT, et al., "An Efficient Method for the Isolation and Purification of Oligoribonucleotides" <i>Nucleosides & Nucleotides</i> 14:255-273 (1995).	
ku		STIMPSON, et al., "Real-time detection of DNA hybridization and melting on oligonucleotide arrays by using optical wave guides" <i>Proc. Natl. Acad. Sci. USA</i> 92:6379-6383 (1995).	

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u		SWIDERSKI, et al., "Polystyrene Reverse-Phase Ion-Pair Chromatography of Chimeric Ribozymes" <i>Analytical Biochemistry</i> 216:83-88 (1994).	
		SYVANEN, et al., "Fast quantification of nucleic acid hybrids by affinity-based hybrid collection" <i>Nucleic Acids Res.</i> 14:5037 (1986).	
		TSURUI, et al., "Batchwise Purification of Specific tRNAs by a Solid-Phase DNA Probe" <i>Analytical Biochemistry</i> 221:166-172 (1994).	
		USMAN, et al., "Automated Chemical Synthesis of Long Oligoribonucleotides Using 2'-O-Silylated Ribonucleoside 3'-O-Phosphoramidites on a Controlled-Pore Glass Support: Synthesis of a 43-Nucleotide Sequence Similar to the 3'-Half Molecule of an <i>Escherichia coli</i> Formylmethionine tRNA" <i>J. Am. Chem. Soc.</i> 109:7845-7854 (1987).	
u		WINCOTT, et al., "Synthesis, deprotection, analysis and purification of RNA and ribozymes" <i>Nucleic Acids Research</i> 23:2677-2684 (1995).	

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